**ROSNEFT OIL COMPANY**
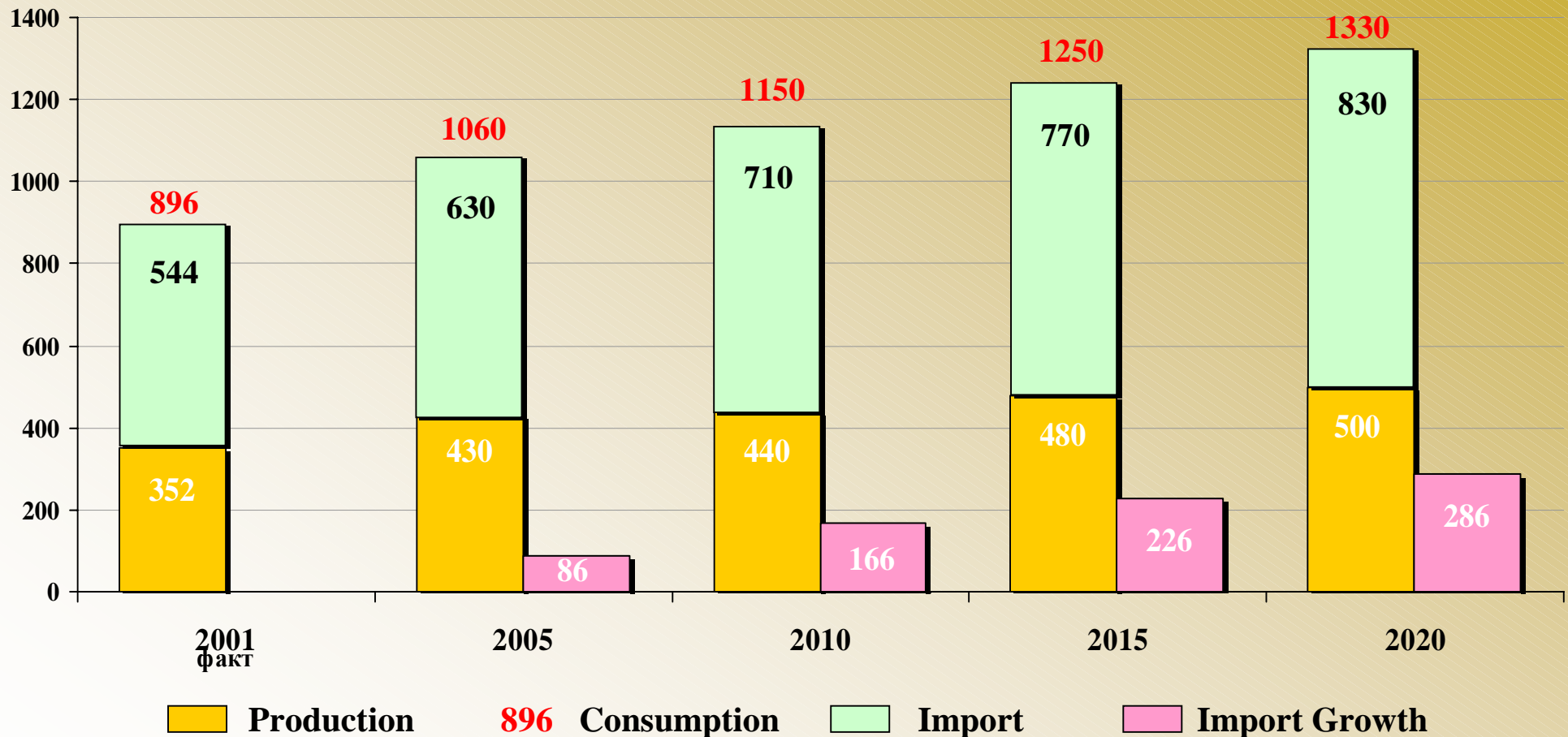
# Favorable Opportunities for American Companies in the Russian Federation

*Alexander M. Kuznetsov*
*Rosneft-Perspective LLC*
*Director General*

# FORECAST ON OIL PRODUCTION, CONSUMPTION AND IMPORT IN USA
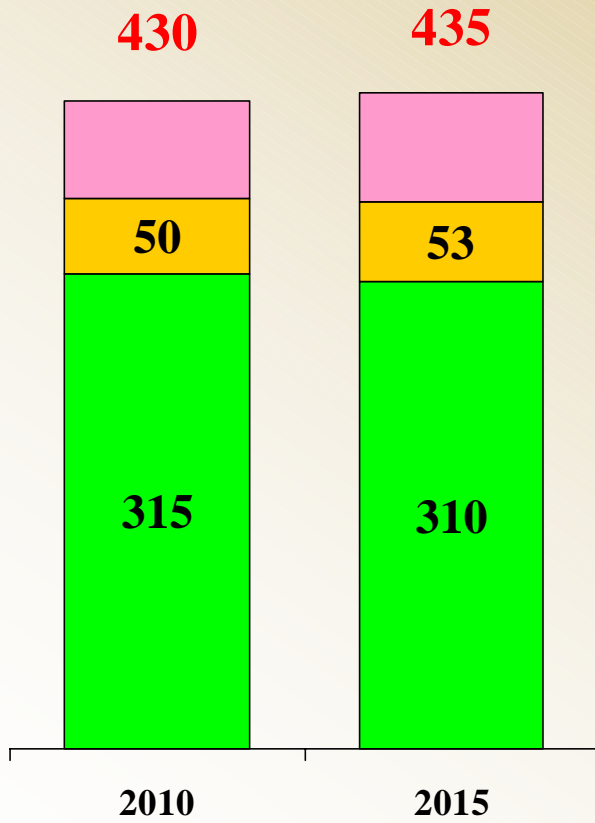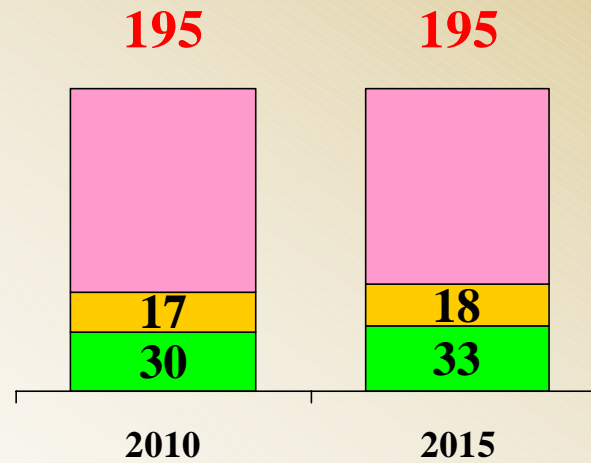
## (million tons per year)



Source: IEA

# ESTIMATES FOR RUSSIA EXPORT TO THE EAST
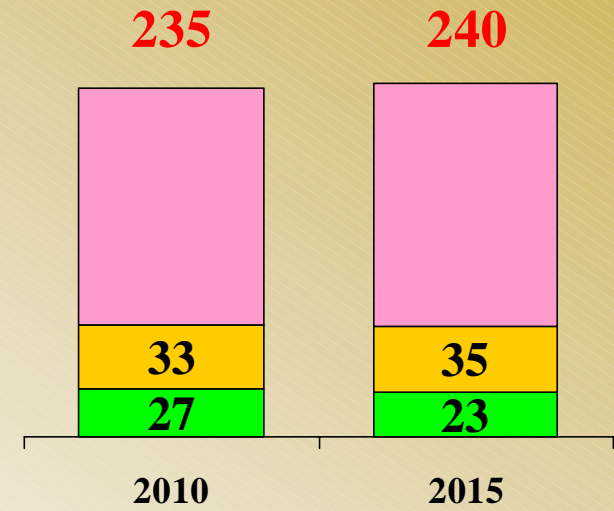## (million tons per year)



**Oil Production**

**Oil consumption forecast**

**Additional oil exports estimates**

Oil Production:
- 2010: 430 (315 West Siberia, 50 Siberia)
- 2015: 435 (310 West Siberia, 53 Siberia)

Oil consumption forecast:
- 2010: 195 (30 West Siberia, 17 Siberia)
- 2015: 195 (33 West Siberia, 18 Siberia)

Additional oil exports estimates:
- 2010: 235 (27 West Siberia, 33 Siberia)
- 2015: 240 (23 West Siberia, 35 Siberia)

**West Siberia**    **Siberia**    **430 Russia Total**

# ВАРИАНТЫ ПРОЕКТОВ СТРОИТЕЛЬСТВА МАГИСТРАЛЬНЫХ НЕФТЕПРОВОДОВ



| | Протяженность, км | Мощность, млн.т / год |
|---|---|---|
| Ангарск - Находка | 4 200 | 50 |
| Палкино - Приморск (II очередь БТС) | 264 | 18 |
| Ярославль - Мурманск | 1 500 | 50 |
| Сургут - Уса - Ухта - Мурманск | 3 600 | 70 |
| Сургут - Уса - Мурманск | 2 700 | 70 |
| Ангарск - Дацин | 1 680 | 30 |

Приморск
Мурманск
Палкино
Ярославль
Ухта
Уса
Сургут
Ангарск
Дацин
Комсомольск-на-Амуре
Находка

КИТАЙ
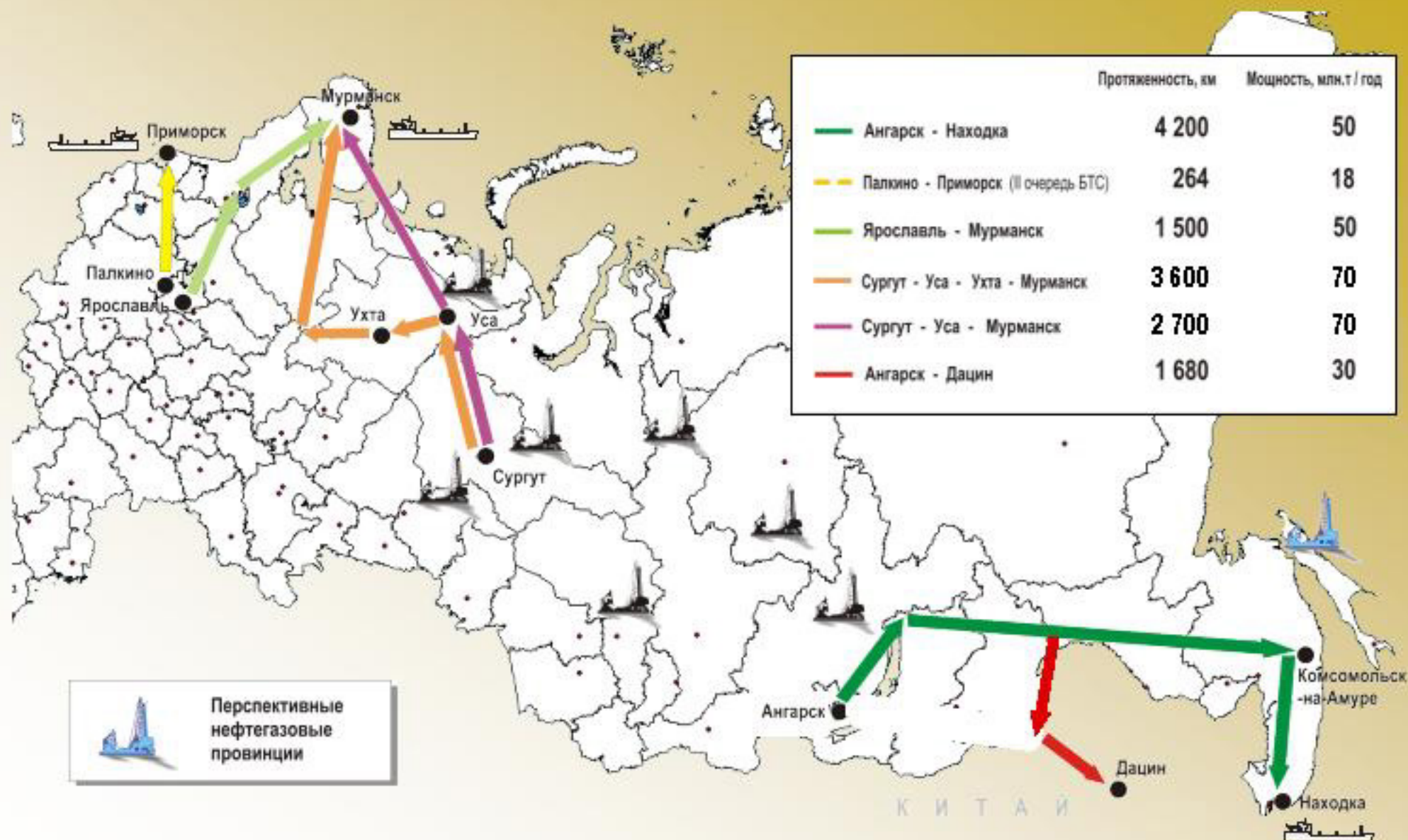
Перспективные нефтегазовые провинции
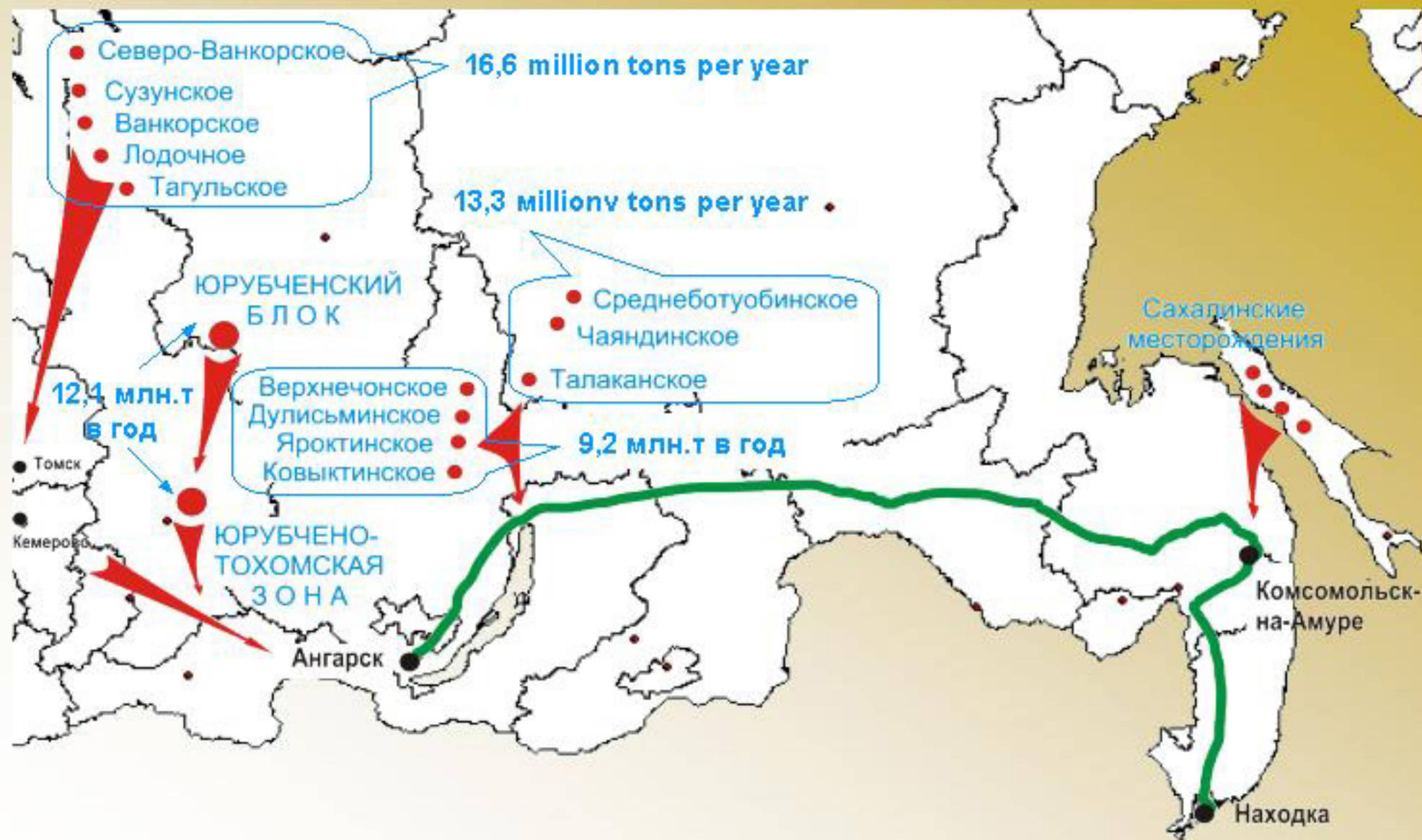
# SAKHALIN AND EAST SIBERIA OIL PRODUCTION FORECAST



million tons

Sakhalin

EAST Siberia
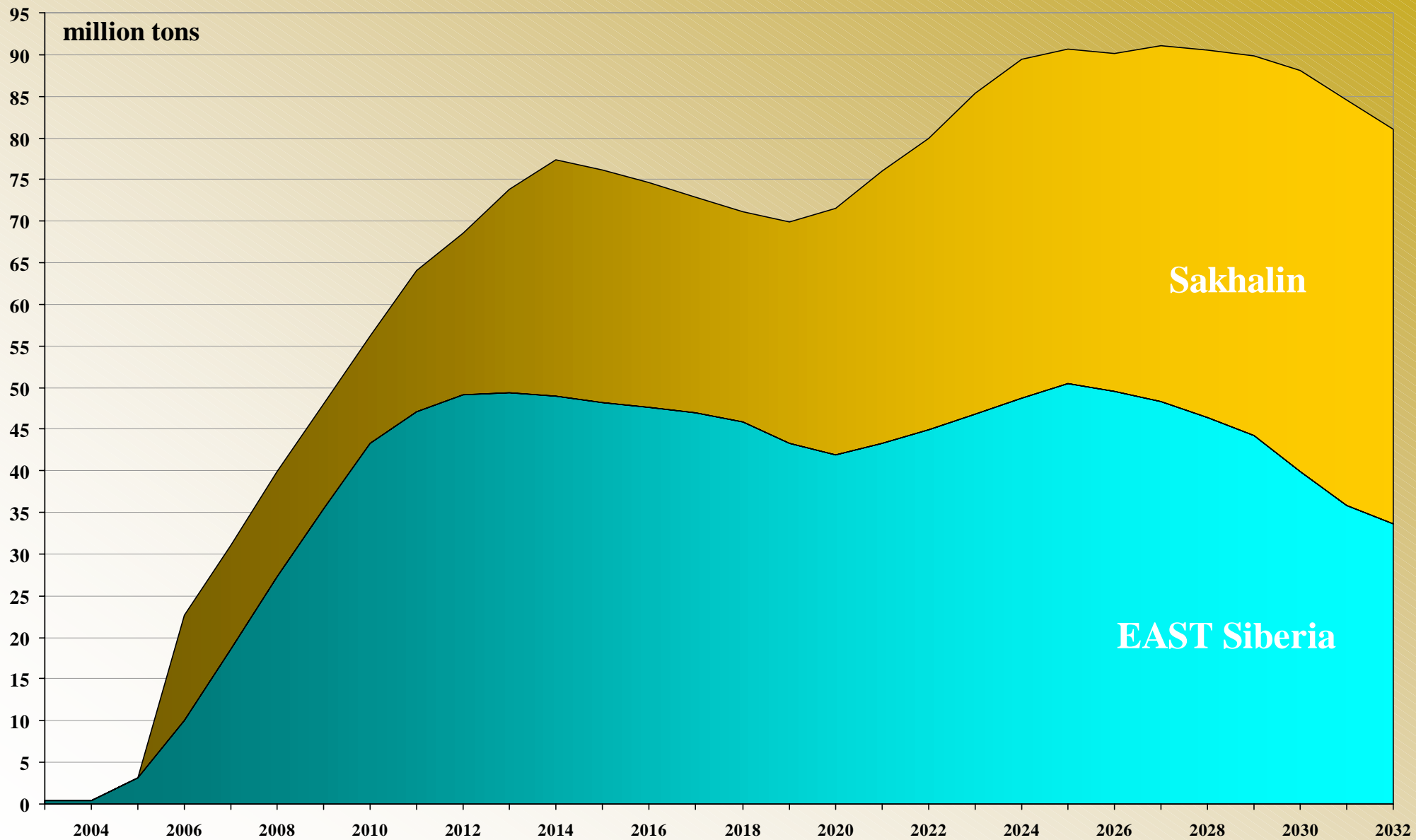
# ШТОКМАНОВСКОЕ ГАЗОКОНДЕНСАТНОЕ МЕСТОРОЖДЕНИЕ

**1988г. -** **Field discovery**

**1990 -1995г. -** **Detailed Probing carried out,**
**6 exploring wells drilled**

**1993г. -** **Ga and condensate exploration, evaluation and**
**production license for 25 years issued.**

**1996г. -** **Reserves are approved with State Reserves Committee**
**at 3.2 million c m. of gas and 31 million tons of**
**condensate.**

**1996г. -** **Agreement on cooperation between Gasprom, Rosshelf,**
**Norsk Hydro, Fortum, Conoc, Total was signed. Term**
**of validity expired in Septembr, 2002.**

**2000г. -** **Russian Federation Law on Product Sharing**
**Agreement is Signed.**

**2001г. -** **Project on Stockman gas condensate field development**
**is worked out.**

**2002г. -** **JSC Sevmorneftegaz is established by Rosneft (50%)**
**and Gazprom (50%) The License for Stockman filed**
**development is Re-issued to JSC Sevmorneftegaz**



**Sea Depth at Stockman field is 320 –340 m**

# GENERAL SCHEME ON STOCKMAN FIELD DEEPWATER OIL PRODUCTION



Морская ледостойкая платформа типа TLP

Танкер

Магистральные трубопроводы

Отгрузочная система

Манифольд

Подводные добычные комплексы (куст из 3-х скважин)

Конденсатохранилище

# GAS TRANSPORT FROM STOCKMAN FIELD
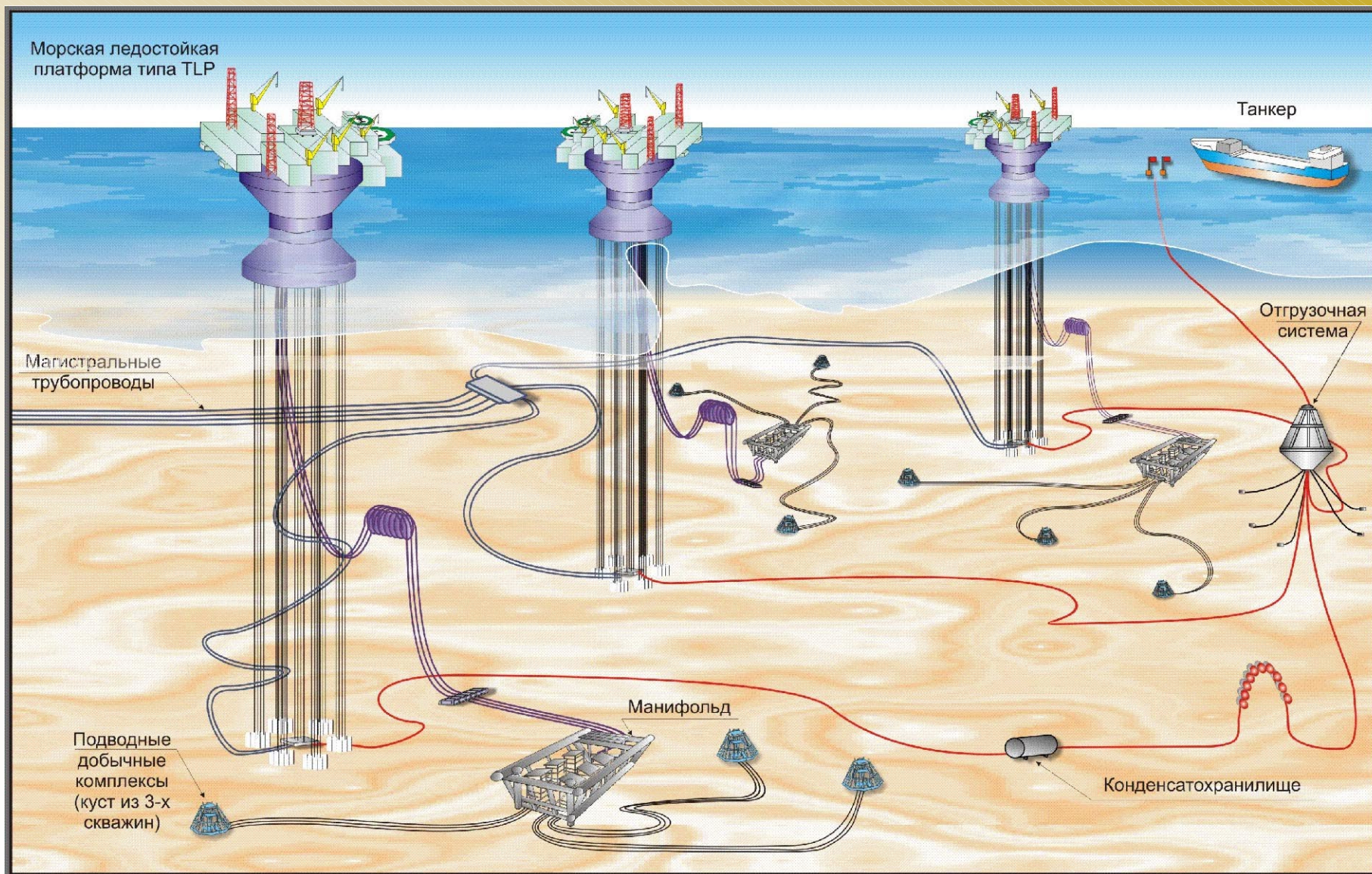
**Deepwater main pipelines**

**Stockman platform – Teriberka**
**Four lines 0 42``(1066.8 мм)**
- **Pipeline length  ∅ 565 км**
- **Pressure at platform - 18-19 MP**
- **Pressure at the coast - 6 MP**

**Onshore gas transport**

**Teriberka – Medvezhegorsk - Volkhov**
**Two lines      ∅  1400 мм**
- **Pipeline Length - 1400 км.**
- **Compressor stations – 11**

**Teriberka – Medvezhegorsk – Vyborg**
**Two lines      ∅  1100-1400 мм**
- **Pipeline Length - 1400 км.**
- **Compressor stations - 10**
- **Working pressure – 9.8 MP**

# STOCKMAN FIELD DEVELOPMENT VARIANT
## (One TLP platform and two SPAR platforms)